

Notice of Allowability

Application No.

09/977,964

Applicant(s)

CHIU, CHUN-CHEN

Examiner

Art Unit

Pedro J. Cuevas

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on July 7, 2003.
2. ☒ The allowed claim(s) is/are 1-11 and 13.
3. ☒ The drawings filed on 17 October 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-11 and 13 are allowed.
2. The following is an examiner's statement of reasons for allowance.

Kumakura clearly teaches the construction of an identification lamp apparatus that includes a frame, wheels rotatable mounted on the frame and an insulating bracket attached to the frame, the generator comprising:

a rotor adapted to be rotatable mounted on the insulating bracket, the rotor including two casings each having a first side abutting each other to form a chamber in the rotor and a second side opposite to each other;

an annular coil securely mounted in the chamber in the rotor, the annular coil including:

multiple salient poles situated in an inner periphery of the annular coil and parallel to the axis of rotation; and

two inner wires respectively electrically connected to the salient poles and extending through the indent in the casing to electrically connect to an outer periphery of the bearing;

a stator rotatable extending through the rotor and the coil, the stator including:

a shaft rotatably extending through the coil, the shaft having two opposite ends respectively secured in the bearing and partially extending out of the bearing and adapted to be secured in the insulating bracket of the bicycle for mounting the rotor on the bicycle;

an annular flange radially extending outwardly from a middle portion of the shaft; and

a ring of permanent magnets mounted on an outer periphery of the annular flange and corresponding to the salient poles of the coil; and

a outer wire with a first end electrically attached to the electrical ring connector and a second end adapted to be attached to a light that is mounted on the bicycle;

wherein the coil will rotate with the casings relative to the stator when the bicycle is in use and generate electricity that is transmitted to the light to operate the light.

The prior art of record, taken alone or in combination, fails to teach the construction of a permanent magnet generator for a bicycle light as described on independent claim 1, having:

a hole defined in each casing of a rotor and a bearing received in the hole of each casing of the rotor;

a recess defined in each casing of the rotor;

an indent defined in the inner periphery of each hole for an inner wire extending through the indent; the ring of permanent magnets mounted on the outer periphery of the annular flange;

two electrical rings mounted around the shaft and electrically connected to the bearings and two outer wires; and

an electrical loop constructed of two covers, two inner wires, two bearings, two rings and two outer wires from the coil to a bicycle light.

Dependent claims 2-11 and 13 are considered allowable by their respective dependence on allowed independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pedro J. Cuevas whose telephone number is (703) 308-4904. The examiner can normally be reached on M-F from 8:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor R. Ramirez can be reached on (703) 308-1371. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-3432 for regular communications and (703) 305-3432 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Pedro J. Cuevas
September 16, 2003

 **KARL TAMAI**
PRIMARY EXAMINER